SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

· Trade name: Nullifire SC804
· MSDS code: W-N-SC804

1.2 Relevant identified uses of the substance or mixture and uses advised against

No further relevant information available.

Application of the substance / the mixture
Coating compound/ Surface coating/ paint
Fire retarding agent

1.3 Details of the supplier of the safety data sheet

· Manufacturer/Supplier:
tremco illbruck Ltd
Coupland Road, Hindley Green, WIGAN, WN2 4HT
Tel: +44 (0) 1942251400, Fax: +44 (0) 1942251410
msds@tremco-illbruck.com

Further information obtainable from:
tremco illbruck Ltd
Coupland Road, Hindley Green, Wigan, WN2 4HT
T: +44 (0) 1942251400, F: +44 (0) 1942251410
www.tremco-illbruck.co.uk, uk.info@tremco-illbruck.com

1.4 Emergency telephone number:
During office hours tel.: +44 (0) 1942251400. At all other times it is recommended to call NHS 111 (England/Wales/Scotland), 01 809 2166 (ROI), or otherwise to contact a doctor.

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008
The product is not classified, according to the CLP regulation.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008 Void

· Hazard pictograms Void
· Signal word Void
· Hazard statements Void

Precautionary statements
P233 Keep container tightly closed.
P260 Do not breathe spray.
P271 Use only outdoors or in a well-ventilated area.
P280 Wear protective gloves / protective clothing.
P284 In case of inadequate ventilation wear respiratory protection.
P302+P352 IF ON SKIN: Wash with plenty of soap and water.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

(Contd. on page 2)
Trade name: Nullifire SC804

- **Supplemental information:**
  - EUH210 Safety data sheet available on request.
- **Regulation (EC) No 528/2012 on biocidal products** Contains a biocidal product: C(M)IT/MIT (3:1)
  - VOC 2004/42/CE (A / i) = <140 g/l
  - Nullifire SC804
    - = <0.1 g/l
- **2.3 Other hazards**
- **Results of PBT and vPvB assessment**
  - **PBT:** Not applicable.
  - **vPvB:** Not applicable.

**SECTION 3: Composition/information on ingredients**

- **3.2 Mixtures**
- **Description:** Mixture of substances listed below with non-hazardous additions.

**Dangerous components:**

<table>
<thead>
<tr>
<th>EC number: 911-815-4</th>
<th>tris(2-chloro-1-methylethyl)phosphate</th>
<th>Acute Tox. 4, H302</th>
<th>1-&lt;5%</th>
</tr>
</thead>
</table>

**SVHC**

- **Additional information:**
  - For the wording of the listed hazard phrases refer to section 16.
  - Fillers are encapsulated within the liquid and therefore not expected to be released from the product under normal conditions of use.

**Regulation (EU) No 528/2012 Biocidal Products Regulation**


**SECTION 4: First aid measures**

- **4.1 Description of first aid measures**
  - **After inhalation:**
    - Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.
  - **After skin contact:**
    - Immediately wash with water and soap and rinse thoroughly. If skin irritation continues, consult a doctor.
  - **After eye contact:** Rinse opened eye for several minutes under running water. Then consult a doctor.
  - **After swallowing:** Rinse out mouth and then drink plenty of water. Seek immediate medical advice.
Trade name: Nullifire SC804

| 4.2 Most important symptoms and effects, both acute and delayed | Allergic reactions |
| Information for doctor: | No further relevant information available. |
| Hazards | No further relevant information available. |

**SECTION 5: Firefighting measures**

| 5.1 Extinguishing media | |
| Suitable extinguishing agents: | CO2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam. Use fire extinguishing methods suitable to surrounding conditions. |

| 5.2 Special hazards arising from the substance or mixture | |
| Formation of toxic gases is possible during heating or in case of fire. |

| 5.3 Advice for firefighters | |
| Protective equipment: | Wear self-contained respiratory protective device. |
| Additional information | Collect contaminated fire fighting water separately. It must not enter the sewage system. |

**SECTION 6: Accidental release measures**

| 6.1 Personal precautions, protective equipment and emergency procedures | |
| Ensure adequate ventilation. |
| Wear protective clothing. |

| 6.2 Environmental precautions: | |
| Do not allow to enter sewers/ surface or ground water. |
| Inform respective authorities in case of seepage into water course or sewage system. |

| 6.3 Methods and material for containment and cleaning up: | |
| Ensure adequate ventilation. |
| Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). |
| Clean the affected area carefully; suitable cleaners are: |
| Warm water and cleansing agent |

| 6.4 Reference to other sections | |
| No dangerous substances are released. |
| See Section 7 for information on safe handling. |
| See Section 8 for information on personal protection equipment. |
| See Section 13 for disposal information. |

**SECTION 7: Handling and storage**

| 7.1 Precautions for safe handling | |
| Ensure good ventilation/exhaustion at the workplace. |
| Avoid contact with the eyes and skin. |

| 7.2 Conditions for safe storage, including any incompatibilities | Storage: |
| Requirements to be met by storerooms and receptacles: | Store only in unopened original receptacles. |

(Contd. of page 2)
7.3 Specific end use(s) No further relevant information available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Ingredients with limit values that require monitoring at the workplace:
Fillers are encapsulated within the liquid and therefore not expected to be released from the product under normal conditions of use.

DNELs

- Long term effects
  - tris(2-chloro-1-methylethyl)phosphate
    - Oral consumer: 0.52 mg/kg/24h (general public) (systemic effects)
    - Dermal industrial: 2.08 mg/kg/24h (workers) (systemic effects)
    - Inhalative consumer: 1.04 mg/kg/24h (general public) (systemic effects)

- Short term effects
  - tris(2-chloro-1-methylethyl)phosphate
    - Dermal industrial: 8 mg/kg/24h (workers) (systemic effects)
    - Dermal consumer: 4 mg/kg/24h (general public) (systemic effects)
    - Inhalative industrial: 22.4 mg/m3 (workers) (systemic effects)
    - Inhalative consumer: 11.2 mg/m3 (general public) (systemic effects)

- PNECs
  - tris(2-chloro-1-methylethyl)phosphate
    - PNEC: 0.64 mg/L (fresh water)
    - PNEC: 0.064 mg/L (marine)
    - PNEC: 1.7 mg/kg dwt (soil)
    - PNEC: 1.34 mg/kg dwt (sediment (salt water))

Additional information: The lists valid during the making were used as basis.

8.2 Exposure controls

Personal protective equipment:

General protective and hygienic measures:
Do not breathe spray.
Avoid contact with the eyes and skin.

Respiratory protection:
Only during spraying without adequate removal by suction.
Filter A/P2
Use suitable respiratory protective device in case of insufficient ventilation.
For further guidance, please refer to HSE HSG53 "Respiratory Protective Equipment at work - A Practical Guide".

· **Protection of hands:**
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

· **Material of gloves**
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
Fluorocarbon rubber (Viton)
Nitrile rubber, NBR
PVC or PE gloves

· **Penetration time of glove material**
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

· **Eye protection:**

  Tightly sealed goggles

· **Body protection:**

  Protective work clothing

*SECTION 9: Physical and chemical properties*

· **9.1 Information on basic physical and chemical properties**

  · **General Information**

  · **Appearance:**
    - Form: Liquid
    - Colour: White
    - Odour: Characteristic

  · **pH-value:** 8.0 - 9.5
  · **Melting point/freezing point:** Undetermined.
  · **Initial boiling point and boiling range:** 100 °C
SECTION 10: Stability and reactivity

- 10.1 Reactivity Stable
- 10.2 Chemical stability
  - Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
- 10.3 Possibility of hazardous reactions Reacts with acids, alkalis and oxidising agents.
- 10.4 Conditions to avoid Protect from frost.
- 10.5 Incompatible materials: No further relevant information available.

SECTION 11: Toxicological information

- 11.1 Information on toxicological effects
  - Acute toxicity Based on available data, the classification criteria are not met.
- LD/LC50 values relevant for classification:
  - tris(2-chloro-1-methylethyl)phosphate
    - Oral LD50 632 mg/kg (rat)
  - Primary irritant effect:
    - Skin corrosion/irritation Slight irritation possible.
    - Serious eye damage/irritation Slight irritation possible.
    - Respiratory or skin sensitisation Sensitising effect by skin contact is possible by prolonged exposure.
    - CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)
    - Germ cell mutagenicity Based on available data, the classification criteria are not met.
    - Carcinogenicity Based on available data, the classification criteria are not met.
    - Reproductive toxicity Based on available data, the classification criteria are not met.
    - STOT-single exposure Based on available data, the classification criteria are not met.
    - STOT-repeated exposure Based on available data, the classification criteria are not met.
Safety data sheet according to 1907/2006/EC, Article 31

Trade name: Nullifire SC804

- Aspiration hazard: Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

- 12.1 Toxicity
  Aquatic toxicity:
  No further relevant information available.

<table>
<thead>
<tr>
<th>tris(2-chloro-1-methylethyl)phosphate</th>
</tr>
</thead>
<tbody>
<tr>
<td>LC50/96 h 51 mg/L (pimephales promelas)</td>
</tr>
</tbody>
</table>

- 12.2 Persistence and degradability: No further relevant information available.
- 12.3 Bioaccumulative potential: No further relevant information available.
- 12.4 Mobility in soil: No further relevant information available.
- Additional ecological information:
  General notes:
  Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

- 12.5 Results of PBT and vPvB assessment
  PBT: Not applicable.
  vPvB: Not applicable.

- 12.6 Other adverse effects: No further relevant information available.

SECTION 13: Disposal considerations

- 13.1 Waste treatment methods
  Recommendation
  Do not allow product to reach sewage system or any water course.
  Disposal must be made according to official regulations.
  Waste disposal key: UK (WM3): n/a

<table>
<thead>
<tr>
<th>European waste catalogue</th>
</tr>
</thead>
<tbody>
<tr>
<td>08 01 20 aqueous suspensions containing paint or varnish other than those mentioned in 08 01 19</td>
</tr>
</tbody>
</table>

Uncleaned packaging:
  Recommendation:
  Empty contaminated packagings thoroughly. They may be recycled after thorough and proper cleaning. Packagings that may not be cleansed are to be disposed of in the same manner as the product.
  Recommended cleansing agents: Water, if necessary together with cleansing agents.

SECTION 14: Transport information

- 14.1 UN-Number
  ADR, ADN, IMDG, IATA: Void

- 14.2 UN proper shipping name
  ADR, ADN, IMDG, IATA: Void
14.3 Transport hazard class(es)
- ADR, ADN, IMDG, IATA
- Class: Void

14.4 Packing group
- ADR, IMDG, IATA: Void

14.5 Environmental hazards:
- Marine pollutant: No

14.6 Special precautions for user: Not applicable.

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code: Not applicable.

UN "Model Regulation": Void

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
- HSE EH40/2005 Workplace Exposure Limits (as amended)
- 2001/118/EC as regards the list of wastes
- 2008/98/EC on waste

National regulations:

Other regulations, limitations and prohibitive regulations
- Substances of very high concern (SVHC) according to REACH, Article 57: Not applicable.

15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Relevant phrases
- H302 Harmful if swallowed.
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**Trade name: Nullifire SC804**

- **Department issuing SDS:**
  Prepared and verified in accordance with "REACH" Regulation (EC) No 1907/2006, Annex II, Part A, 0.2.3.

- **Abbreviations and acronyms:**
  - ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
  - IMDG: International Maritime Code for Dangerous Goods
  - IATA: International Air Transport Association
  - GHS: Globally Harmonised System of Classification and Labelling of Chemicals
  - EINECS: European Inventory of Existing Commercial Chemical Substances
  - ELINCS: European List of Notified Chemical Substances
  - CAS: Chemical Abstracts Service (division of the American Chemical Society)
  - VOC: Volatile Organic Compounds (USA, EU)
  - PNEC: Predicted No-Effect Concentration (REACH)
  - LC50: Lethal concentration, 50 percent
  - LD50: Lethal dose, 50 percent
  - PBT: Persistent, Bioaccumulative and Toxic
  - SVHC: Substances of Very High Concern
  - vPvB: very Persistent and very Bioaccumulative
  - Acute Tox. 4: Acute toxicity - oral – Category 4

* Data compared to the previous version altered.